

Fig. 1

| | I-ORF3> I-ORF2> |
|----------------|--|
| | 5110v 5120v 5130v 5140v 5150v 5160v |
| -BURMA | TGGAATGAATAACATGTCTTTTGCTGCGCCCATGGGTTCGCGACCATGCGCCCTCGGCCT |
| 20142 | GAATGAATAACATGT TTTGCTGCGCCCATGGGTTCGC ACCATGCGCCCT GGCCT |
| -MEXICO | CIGAATGAATAACATGTGGTTTGCTGCGCCCATGGGTTCGCCACCATGCGCCCTAGGCCT |
| | 0. m 1.1. m 1.1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| | 5170v 5180v 5190v 5200v 5210v 5220v |
| -BURMA | ATTTGTTGCTGCTCCTCATGTTTTTGCCTATGCTGCCCGCGCCACCGCCCGGTCAGCCG |
| D014.157 | TITIG TG TCCTC TGTTT TGCCTATG TGCCCGCGCCACCG CCGGTCAGCCG |
| -MEXICO | CITTIGCTGTTGTTCCTCTTTTCTGCCTATGTTGCCCGCGCCACCGACCG |
| -MINICO | CITITACIALI POLICI CITALI DE CALCALIA LA CACACACA CASA CASA CASA CASA CASA C |
| | 5230v 5240v 5250v 5260v 5270v 5280v |
| -BURMA | |
| -DOMMA | TCTGGCCGCCGTCGTGGGCGCGCGCGCGCGCTTCCGGCGG |
| MENTO | TCTGGCCGCCGTCGTGGGCGCGCGCGCGCGTTCCTGGGGTGACCGG |
| -MEXICO | TCTGGCCGCCGTCGTGGGCGCGCAGCGGCGGTACCGGCGGTGGTTTCTGGGGTGACCGG |
| | F300 F300 F310 F320 F340 |
| TOT TONGS | 5290v 5300v 5310v 5320v 5330v 5340v |
| -BURMA | GTTGATTCTCAGCCCTTCGCCAATCCCCTATATTCATCCAACCAA |
| MARKET | GTTGATTCTCAGCCCTTCGCAATCCCCTATATTCATCCAACCAA |
| -MEXICO | GITGATTCTCAGCCCTTCGCAATCCCCTATATTCATCCAACCAA |
| | T 406 4 0 |
| | I-406.4-2> |
| | 5350v 5360v 5370v 5380v 5390v 5400v |
| -BURMA | GTCACCGCTGCGGCCGGGCTGGACCTCGTGTTCGCCAACCCGCCCG |
| | GT CCGCTGCG CCGGG CTGGACCTCG TTCGCCAACC GCCCG CCACT GGCTCC |
| -MEXICO | GTTGCCGCTGCGTCCGGGTCTGGACCTCGCCTTCGCCAACCAGCCCGGCCACTTGGCTCC |
| | E440 |
| TOT THOSE AND | 5410v 5420v 5430v 5440v 5450v 5460v |
| -BURMA | GCTTGGCGTGACCAGGCCCAGCGCCCGCCGTTGCCTCACGTCGTAGACCTACCACAGCT |
| N 45774 T 676 | CTTGGCG GA CAGGCCCAGCGCCCC CCG TGCCTC CGTCG GACCT CCACAGC |
| -MEXICO | ACITGGCGAGATCAGGCCCAGCGCCCCTCCGCTGCCTCGCCGTCGCCACCTGCCACAGCC |
| | 406.40.7 |
| | <406.4-2-I |
| | <-ORF3I |
| T-7-T-7-8-4-75 | 5470v 5480v 5490v 5500v 5510v 5520v |
| -BURMA | GGGGCCGCCGCTAACCGCGGTCGCTCCGGCCCATGACACCCCGCCAGTGCCTGATGTC |
| | GGGGC GCG CGCT AC GC GT GC CC GCCCATGACACC C CC GT CC GA GT |
| -MEXICO | GGGGCTGCGGCCTGACGGCTGTGGCGCCTGCCCATGACACCTCACCCGTCCCGGACGTT |
| | |
| | 5530v 5540v 5550v 5560v 5570v 5580v |
| -BURMA | GACTCCCGCGCCCATCTTGCGCCGGCAGTATAACCTATCAACATCTCCCCTTACCTCT |
| | GA TC CGCGG GC AT T CGCCG CAGTATAA T TC AC TC CCCCT AC TC |
| -MEXICO | GATTCTCGCGGTGCAATTCTACGCCGCCAGTATAATTTGTCTACTTCACCCCTGACATCC |
| | |
| | 5590v 5600v 5610v 5620v 5630v 5640v |
| -BURMA | TCCGTGGCCACCGGCACTAACCTGGTTCTTTATGCCGCCCCTCTTAGTCCGCTTTTACCC |
| | TC GTGGCC C GGCACTAA T GT CT TATGC GCCCC CTTA TCCGC T T CC |
| -MEXICO | TCTGTGGCCTCTGGCACTAATTTAGTCCTGTATGCAGCCCCCTTAATCCGCCTCTGCCG |

Fig. 2A

| -BURMA -MEXICO | 5650v 5660v 5670v 5680v 5690v 5700v CTTCAGGACGCACCAATACCCATATAATGGCCACGGAAGCTTCTAATTATGCCCAGTAC CT CAGGACGG AC AATAC CA AT ATGGCCAC GA GC TC AATTATGC CAGTAC CTGCAGGACGGTACTAATACTCACATTATGGCCACAGAGGCCTCCAATTATGCACAGTAC |
|-------------------|--|
| -BURMA -MEXICO | 5710v 5720v 5730v 5740v 5750v 5760v CGGGTTGCCCGTGCCACAATCCGTTACCGCCGCTGGTCCCCAATGCTGTCGGCGGTTAC CGGGTTGCCCG GC AC ATCCGTTACCG CC CT GT CC AATGC GT GG GG TA CGGGTTGCCCGCGCTACTACTCCGTTACCGGCCCCTAGTGCCTAATGCAGTTGGAGGCTAT |
| -BURMA | trpE-(C2) I-> 5770v 5780v 5790v 5800v 5810v 5820v GCCATCTCCATCTCTGGCCACAGACCACCACCACCAGACGTCCGTTGATATGAAT GC AT TCCAT TC TTCTGGCC CA AC ACCAC ACCCC AC TC GTTGA ATGAAT GCTATATCCATTTCTTTCTGGCCTCAAACAACCACACCCCTACATCTGTTGACATGAAT |
| -BURMA -MEXICO | 5830v 5840v 5850v 5860v 5870v 5880v TCAATAACCTCGACGGATGTTCGTATTTTAGTCCAGCCCGGCATAGCCTCTGAGCTTGTG TC AT AC TC AC GATGT G ATT T GT CA CC GGCATAGC TCTGA T GT TCCATTACTTCCACTGATGTCAGGATTCTTGTTCAACCTGGCATAGCATCTGAATTGGTC |
| -BÜRMA -MEXICO | 5890v 5900v 5910v 5920v 5930v 5940v ATCCCAAGTGAGCGCTACACTATCGTAACCAAGGCTGGCGCTCCGTCGAGACCTCTGGG ATCCCAAG GAGCGCCT CACTA CG AA CAAGG TGGCGCTC GT GAGAC TCTGG ATCCCAAGCGAGCGCGCTTCACTACCGCAATCAAGGTTGGCGCTCGGTTGAGACATCTGGT |
| -BURMA -MEXICO | 5950v 5960v 5970v 5980v 5990v 6000v GTGGCTGAGGAGGAGGCTACCTCTGGTCTTGTTATGCTTTGCATACATGGCTCACTCGTA GT GCTGAGGAGGA GC ACCTC GGTCTTGT ATG T TGCATACATGGCTC C GT GTTGCTGAGGAGGAAGCCACCTCCGGTCTTGTCATGTTATGCATACATGGCTCTCCAGTT |
| -BURMA | 6010v 6020v 6030v 6040v 6050v 6060v AATTCCTATACTAATACACCCTATACCGGTGCCCTCGGGCTGTTGGACTTTGCCCTTGAG AA TCCTATAC AATAC CC TATACCGGTGCCCT GG T TGGACTTTGCC T GAG AACTCCTATACCAATACCCCTTATACCGGTGCCCTTGGCTTACTGGACTTTGCCTTAGAG |
| -BURMA -MEXICO | 6070v 6080v 6090v 6100v 6110v 6120v CTTGAGTTTCGCAACCTTACCCCCGGTAACACCAATACGCGGGTCTCCCGTTATTCCAGC CTTGAGTTTCGCAA CT ACC CC GTAACACCAATAC CG GT TCCCGTTA TCCAGC CTTGAGTTTCGCAATCTCACCACCTGTAACACCAATACACGTGTGTCCCGTTACTCCAGC |
| -BURMA -MEXICO | I-SG3> 6130v 6140v 6150v 6160v 6170v 6180v ACTGCTCGCCACCGCCTTCGTCGCGGTGCGGACGGACTGCCGAGCTCACCACCACGGCT ACTGCTCG CAC C CG G G GACGGGACTGC GAGCT ACCAC AC GC ACTGCTCGTCACTCCGCCCCGAGGGGCCGACGGGACTGCGGAGCTGACCACAACTGCA |

Fig. 2B



Fig. 2C

| -BURMA | 6790v 6800v 6810v 6820v 6830v 6840v TCTTTCTGGGAGGCAGGCACTAAAGCCGGGTACCCTTATAATTATAACACCACTGCT TC TT TGGGAGGC GGCACAAC AAAGC GG TA CCTTATAATTATAA AC ACTGCT TCCTTTTGGGAGGCCGGCACAACAAAGCCAGGTTATCCTTATAATTATAATACTACTGCT |
|-------------------|--|
| -BURMA -MEXICO | 6850v 6860v 6870v 6880v 6890v 6900v AGCGACCAACTGCTTGTCGAGAATGCCGCCGGGCACCGGGTCGCTATTTCCACTTACACC AG GACCA T CT T GA AATGC GCCGG CA CGGGTCGC ATTTC AC TA ACC AGTGACCAGATTCTGATTGAAAATGCTGCCGGCCATCGGGTCGCCATTTCAACCTATACC |
| -BURMA -MEXICO | 6910v 6920v 6930v 6940v 6950v 6960v ACTAGCCTGGGTGCTGGTCTCCATTTCTGCGGTTGCCGTTTTAGCCCCCCACTCT AC AG CT GG GC GGTCC GTC CCATTTCTGCGG GC GTTTT GC CC C CTC ACCAGGCTTGGGGCCGGTCCGGTCGCCATTTCTGCGGCCGGGTTTTGGCTCCACGCTCC |
| -BURMA -MEXICO | I-406.3-2> 6970v 6980v 6990v 7000v 7010v 7020v GCGCTAGCATTGCTTGAGCATACCTTGGACTACCCTGCCCGCGCCCATACTTTTGATGAT GC CT GC TGCT GAGGATAC TT GA TA CC G CG GC CA AC TTTGATGA GCCCTGGCTCTGCTGGAGGATACTTTTGATTATCCGGGGGGGG |
| -BURMA -MEXICO | 7030v 7040v 7050v 7060v 7070v 7080v TTCTGCCCAGAGTGCCGCCCCCCTTGGCCTTCAGGGCTGCGCTTTCCAGTCTACTGTCGCT TTCTGCCC GA TGCCGC C T GGCCT CAGGG TG GCTTTCCAGTC ACTGTCGCT TTCTGCCCTGAATGCCGCGCTTTAGGCCTCCAGGGTTGTGCTTTCCAGTCAACTGTCGCT |
| -BURMA | <pre><sg3-i 7090v="" 7100v="" 7110v="" 7120v="" 7130v="" 7140v="" <406.3-2-i="" aaggtgggtaaaactcgggagttgtagtttatttg="" cagcgccttaa="" gagct="" gagcttcagcgccttaagatgaaggtgggtaaaactcgggagttgtagtttatttgcttg="" pre="" t="" tg<=""></sg3-i></pre> |
| -MEXICO | GAGCTCCAGCGCCTTAAAGTTAAGGTGGGTAAAACTCGGGAGTTGTAGTTTATTTGGCTG 7150v 7160v 7170v 7180v 7190v |
| -BURMA -MEXICO | TGCCCCCTTCTTTCTGTTGCTTATTTCTCATTTCTGCGTTCCGCGCTCCC TGCCC CCT CTT TGC TTATTTC TTTCT GT CCGCGCTCCC TGCCCACCTACTTATATCTGCTGATTTCCTTTATTTCCTTTTTCTCGGTCCCGCGCTCCC |
| -BURMA | <-I ORF2 <-I trpE-C2 v 7195 TGA TGA TGA |

Fig. 2D

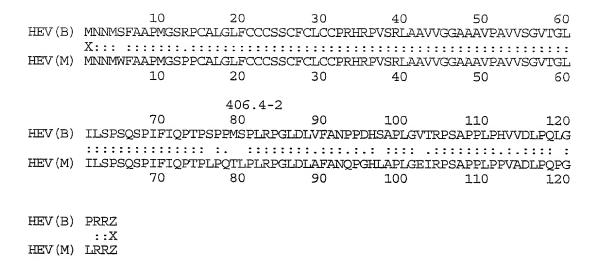


Fig. 3

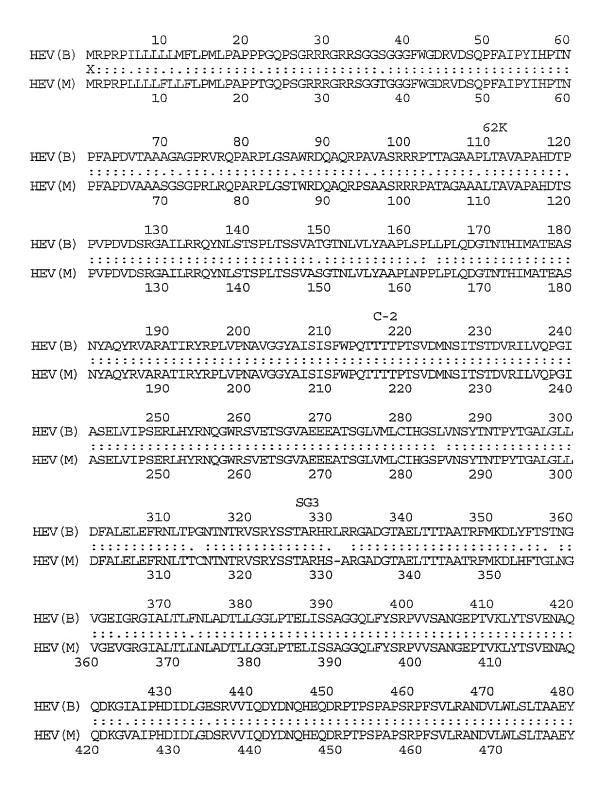


Fig. 4A

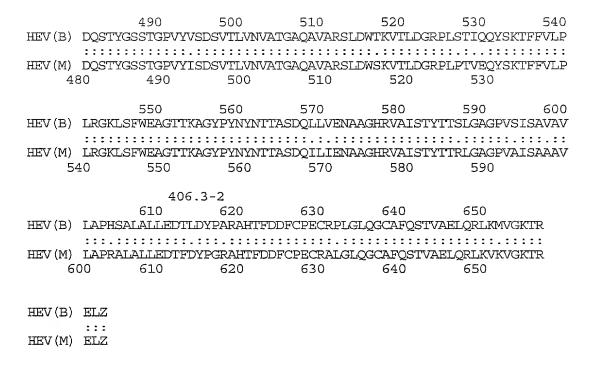


Fig. 4B

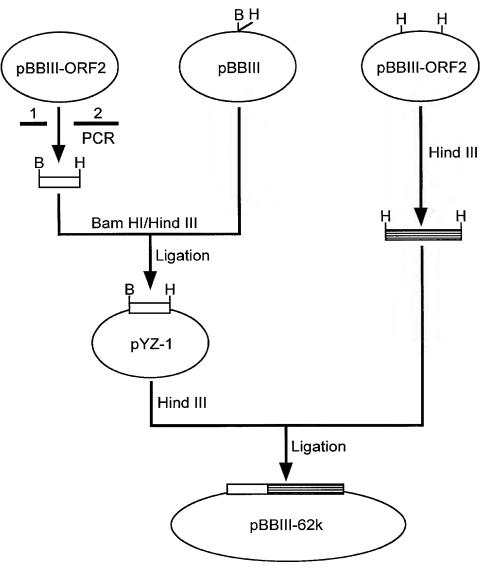
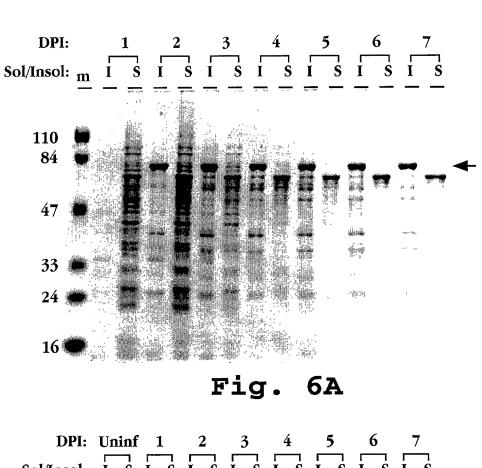


Fig. 5



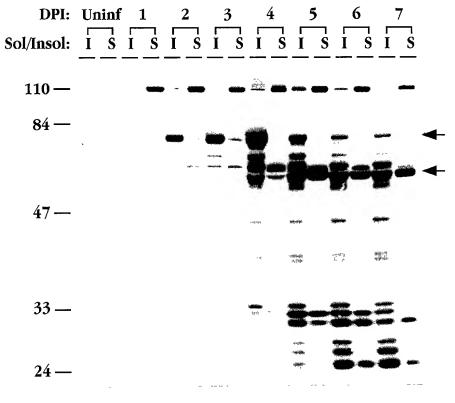


Fig. 6B

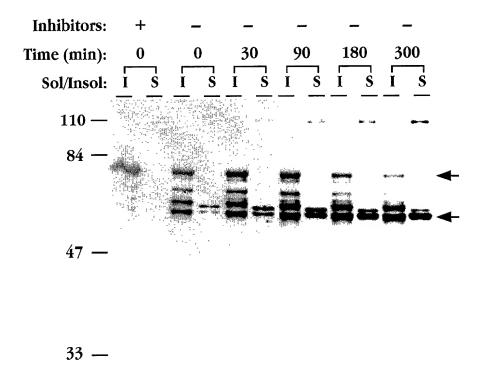


Fig. 7

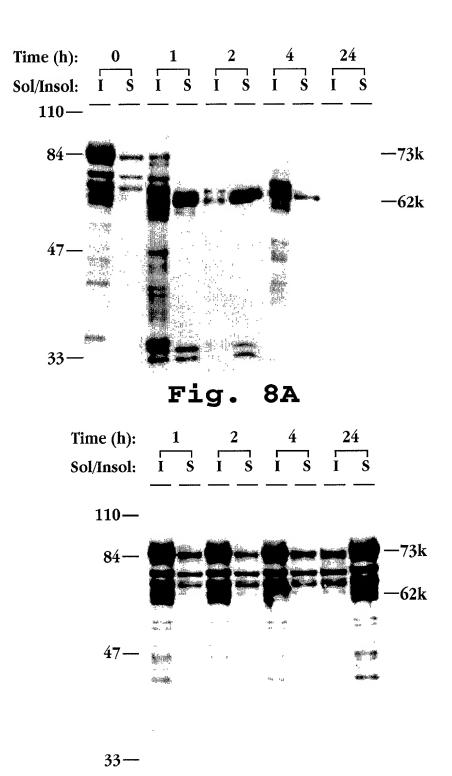


Fig. 8B

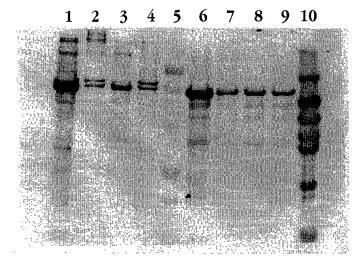


Fig. 9

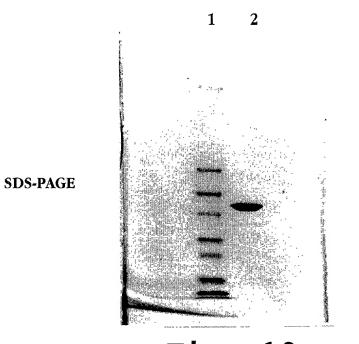


Fig. 10

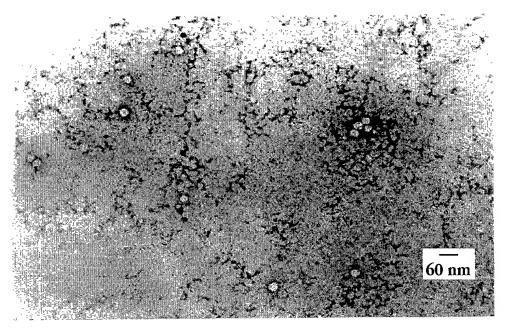


Fig. 11A

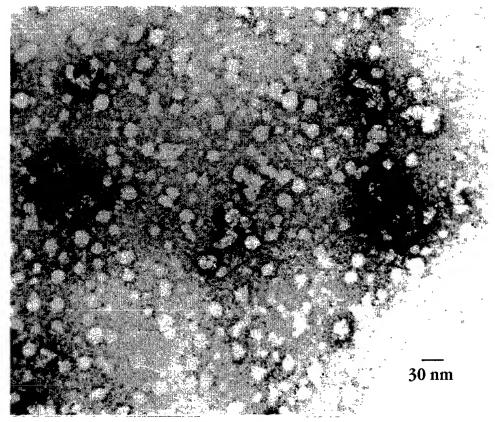


Fig. 11B

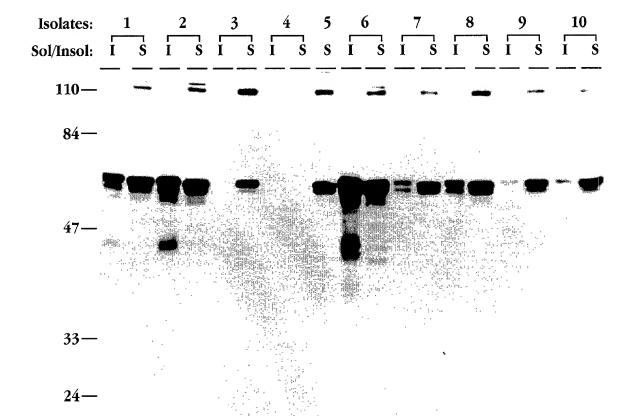


Fig. 12

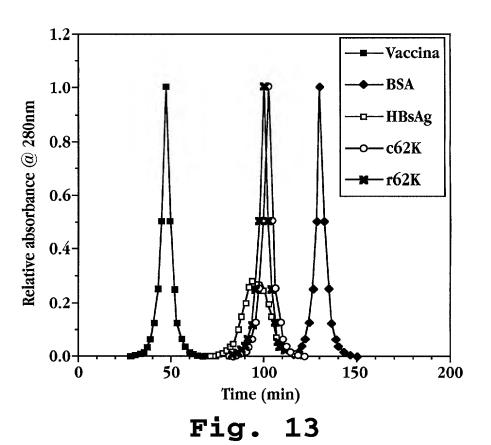


Fig. 16

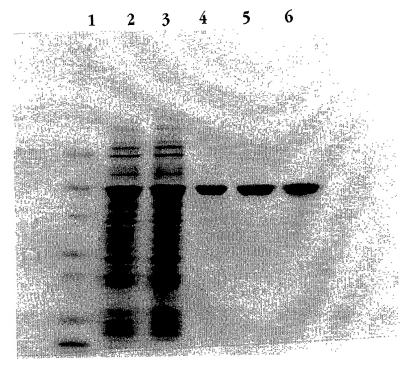


Fig. 14A

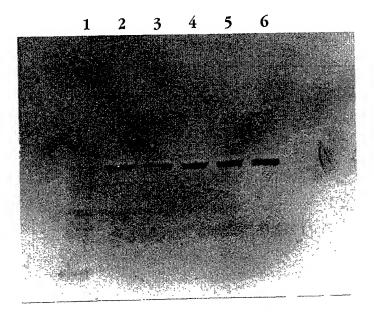


Fig. 14B

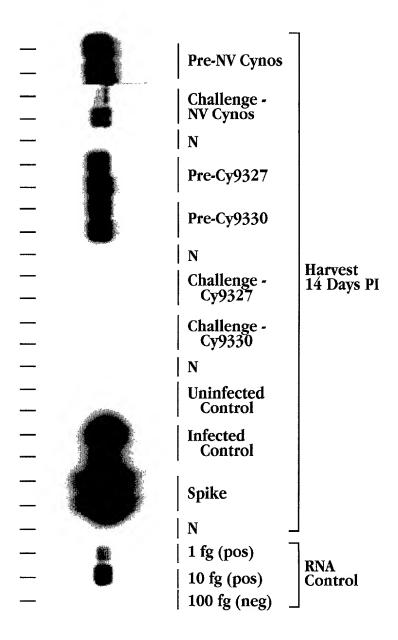


Fig. 15